Contents / Inhalt

Contributed Papers / Originalarbeiten

Abou El-Seoud, M. S.: An Adaptive Multi-Grid Algorithm for the Numerical Solution of Quasilinear Potential Equations 307–324

Abramowski, St., s. Müller, H.

Afflerbach, L., Grothe, H.: Calculation of Minkowski-Reduced Lattice Bases 269–276

Alefeld, G., Lohner, R.: On Higher Order Centered Forms 177–184

Armbruster, D., Oechsle, R.: Pseudo-Recursive Procedures 247–256

Auzinger, W., Stetter, H. J.: Accurate Arithmetic Results for Decimal Data on Non-Decimal Computers 141–151

Burkard, R. E.: Time-Slot Assignment for TDMA-Systems 99–112

Burmeister, W., Heß, W., Schmidt, J. W.: Convex Spline Interpolants with Minimal Curvature 219–229

Bustoz, J., s. Goodman, R. H.

Chu, M. T.: Symbolic Calculation of the Trace of the Power of a Tridiagonal Matrix 257–268

Dai, J.: Second-order Explicit Characteristic Difference Schemes for Quasilinear Hyperbolic Systems 85– 91

Dangelmayr, G., s. Wright, F. J.

Feldstein, A., s. Goodman, R. H.

Goodman, R. H., Feldstein, A., Bustoz, J.: Relative Error in Floating-Point Multiplication 127–139

Grossmann, C., Kaplan, A. A.: On the Solution of Discretized Obstacle Problems by an Adapted Penalty Method 295–306

Grothe, H., s. Afflerbach, L.

Heiß, H.-U., Totzauer, G.: Optimizing Utilization Under Response Time Constraints 1– 12

Herzberger, J.: Über ein Iterationsverfahren zur Einschließung der inversen Matrix 185–188

Heß, W., s. Burmeister, W.

Kaplan, A. A., s. Grossmann, C.

Linz, P.: On the Approximate Computation of Certain Strongly Singular Integrals 345–353

Lohner, R., s. Alefeld, G.

März, Roswitha: On Initial Value Problems in Differential-Algebraic Equations and Their Numerical Treatment 13– 37

Mascagni, M., Miranker, W. L.: Arithmetically Improved Algorithmic Performance 153–175

Mayer, G.: Enclosing the Solution Set of Linear Systems with Inaccurate Data by Iterative Methods Based on Incomplete LU-Decompositions 189–206

Merz, J.: Ein modifiziertes Newton-Verfahren zur Lösung des Hochrechnungsproblems nach dem Prinzip des minimalen Informationsverlustes 51– 61

Miranker, W. L., s. Mascagni, M.

Müller, H., Schmitt, A., Abramowski, St.: Visible Surface Calculation for Complex Unstructured Polygonal Scenes 231–246

Oechsle, R., s. Armbruster, D.

Pönisch, G.: Computing Simple Bifurcation Points Using a Minimally Extended System of Nonlinear Equations 277–294

Rokne, J.: Including Iterations for the Lambda-Matrix Eigenproblem 207–218

Schmidt, J. W., s. Burmeister, W.

Schmitt, A., s. Müller, H.

Schreck, H., s. Tinhofer, G.

Schwandt, H.: Accelerating Krawczyk-like Interval Algorithms for the Solution of Nonlinear Systems of Equations by Using Second Derivatives 355–367

Shearer, J. M., Wolfe, M. A.: Some Algorithms for the Solution of a Class of Nonlinear Algebraic Equations 63– 72

Stetter, H. J.: Professor R. Albrecht, 60 Years 97– 98

Stetter, H. J., s. Auzinger, W.

Strehmel, K., Weiner, R.: Nichtlineare Stabilität und Phasenuntersuchung adaptiver Nyström-Runge-Kutta-Methoden 325–344

Tinhofer, G., Schreck, H.: Computing the Characteristic Polynomial of a Tree 113–125

Totzauer, G., s. Heiß, H.-U.

Weiner, R., s. Strehmel, K.

Wolfe, M. A., s. Shearer, J. M.

Wright, F. J., Dangelmayr, G.: Explicit Iterative Algorithms to Reduce a Univariate Catastrophe to Normal Form 73– 83

Yserentant, H., Hierarchical Bases of Finite-Element Spaces in the Discretization of Nonsymmetric Elliptic Boundary Value Problems 39– 49

Short Communications / Kurze Mitteilungen

Hake, J.-Fr.: A Remark on Frank Matrices 375–379

Shampine, L. F.: Better Extrapolation Codes 369–374

Xiaoshu, P., Hua, D.: A Theorem for Locating Eigenvalues 93– 96

Abstracted / Indexed in: Current Contents, SCI, ASCA, and ISI/COMPUMATH, ACM Information Center, Applied Mechanics Reviews, Mathematical Reviews.